

RAHUL AGARWAL

imagarwal05@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#) | [+91-9843186988](tel:+91-9843186988)

Full Stack Engineer with 2.5 years of experience building multi-tenant platforms, internal tools, and AI-powered automation systems. Worked across the full development lifecycle from database design and backend APIs to frontend UI and third-party integrations. Comfortable working on production systems with real business workflows and stakeholders.

SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, React, Next.js, Node.js, Express.js
- **Databases:** MongoDB, MySQL
- **Cloud & DevOps:** AWS Services (EC2 and S3), GitHub Actions (CI/CD), Vercel
- **Tools:** Git, GitHub, Postman
- **Integrations:** Razorpay, Cashfree, Google APIs, Anthropic & OpenAI APIs

EXPERIENCE

Full Stack Engineer | Eshkon

January 2026 - May 2026

- Built an internal task management system integrated with **Google Sheets** via **App Script**, visualizing task data in **TreeMap** and **Pie charts** on an internal dashboard.
- Developed an automated executive summary pipeline using cron jobs across five schedules (daily, weekly, biweekly, monthly, quarterly), pulling **GitHub commits** and task data as input to **Anthropic Claude API**, and results stored in Google Sheets.
- Collected commit data using **GitHub REST** and **GraphQL APIs** for executive summary LLM input, deployed cron jobs via **Vercel**.
- Integrated **YouTube**, **Google Calendar**, and **Contentful** for media, communication, and content management.
- Designed UIs using **Next.js**, **Tailwind CSS** (Tailwind Plus), and **ShadCN** components.

Full Stack Web Developer Intern | SurveyNex

August 2025 - November 2025

- Built responsive and minimal UI layouts using **Tailwind CSS** and **Next.js**.
- Maintained a modular component structure following industry-standard Next.js conventions.

Software Developer Intern | ByteUprise

April 2025 - August 2025

- Led the frontend team for the Printable Merchant Panel, contributing to 5+ production features.
- Integrated backend APIs with proper error handling and ensured responsive UI across pages.

KEY PROJECTS

Mystery Shopping System

Freelance

- A multi-tenant platform with a **4-level hierarchy** (Super Admin → Clients → Brands → Stores), currently serving 10 clients across 20 brands and 260 stores.
- Developed configurable survey forms with custom question types and media upload rules, supporting **30 forms** across **60 campaigns**.
- Implemented a QA review workflow where shopper-submitted responses are approved or bounced back for correction, requiring shoppers to resubmit only the bounced questions.
- Approved audits, trigger invoice upload and payment release via Cashfree.
- The system consists of **210** active shoppers, assigned to the active campaigns manually.
- Displayed & generated reports based on the data filled by shoppers in web, PDF and Excel formats presenting brand performance data tailored for team reviews.
- Deployed on **AWS EC2** with a **GitHub Actions CI/CD pipeline** and **Mega S4 (AWS S3 Compatible)** for media storage.

Learning Management System

Freelance

- A multi-tenant LMS with a **4-level-hierarchy** of Super Admin → Clients → Brands → SMEs and Learners.
- SMEs create courses structured into topics with text or media-based content, managing all learning material from a dedicated portal.
- SMEs build question banks per topic or course and link assessments to them; questions are randomly selected per learner to maintain assessment uniqueness.
- Learners progress through courses at their own pace, with progress tracked so they can resume from where they left off.
- Excel reports are generated for the **L & D Team** to review the staff's course completion and learning pace.
- Deployed on **AWS EC2** with **GitHub Actions CI/CD** and **Mega S4** for course content storage.

Checklist Management System

Freelance

- A multi-tenant checklist platform with a **3-level hierarchy** (Super Admin → Clients → Brands), currently managing **5+ brands** across **15+ stores** with **45+ staff** including managers, supervisors, and members.
- Checklists are configurable at global or brand level with filling schedules — daily, specific days, or specific dates — and respect brand-level holidays to prevent submissions on defined leave days.
- Checklists are assigned by default to store managers but support same-store reassignment or single-day delegation for flexibility.
- Select-type responses are auto-validated; input-type responses are manually reviewed by managers.
- Deployed on **AWS EC2** with a **GitHub Actions CI/CD pipeline** and **Mega S4** for media storage.

E-Commerce Website (Jewellery Brand)

Freelance

- A custom platform from scratch using the **MERN Stack** with role based admin-panel access to users.
- Discounts are developed to auto-resolve based on rules; if store-wide, product and product-variant discount is applied at the same time.
- Implemented real-time stock reservation during checkout, released automatically if payment isn't completed, to prevent overselling.
- Integrated Razorpay as the payment gateway; PDF Invoice is generated, stored in S3 and mailed to the customers once payment is completed.
- Deployed on **AWS EC2** with a **GitHub Actions CI/CD pipeline** and **AWS S3** for media storage.

EDUCATION

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- AIU - B.Tech (Computer Science and Engineering)
 - LJ Polytechnic - Diploma in Computer Engineering (AIML)
 - NIOS - Standard 10

July 2024 - Present

July 2021 - June 2024

June 2020 - March 2021